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Version: 'V04-000'

V03-008 GJA0092 Greg Awdziewicz 25-Jul-1984  
- Reverse the nonnegatable mistake. Only qualifiers  
which require values should be nonnegatable.

V03-007 MCN0143 Maria del C. Nasr 29-Jun-1984  
Make nonnegatable, qualifiers that should be so. Add  
the /DATA qualifier with keywords EXPAND and COMPRESS  
to do the data reduction work. Eliminate REDUCE  
option from /COMPRESS.

V03-006 JWT0124 Jim Teague 16-Jun-1983  
/EXTRACT requires a value; /ONLY doesn't necessarily  
need /LIST.

V03-005 JWT0120 Jim Teague 18-May-1983  
Remove some disallow clauses.

V03-004 JWT0103 Jim Teague 06-Apr-1983  
Mutual exclusion final touches to new cli interface.  
Remove prefixes and outputs; squeeze becomes default  
as stated by documentation.

V03-003 PCA1008 Paul C. Anagnostopoulos 10 Feb 1983  
Merge the outputs list for DCL and MCR, because the CDU no  
longer supports different lists.

V03-002 JWT0060 Jim Teague 20-Oct-1982  
Need to rearrange the new reduce keyword.

V03-001 JWT0056 Jim Teague 19-Oct-1982  
Add REDUCE keyword to /COMPRESS qualifier.

```
define syntax library_only
  parameter p1,prompt="Library",value(required,type=$infile)
```

```
define syntax optional_files
  parameter p1,prompt="Library",value(required,type=$infile)
  parameter p2,prompt="File",value(list,impcat,type=$infile)
```

```
define syntax library_using_lbr
  image backtrans
```

```
define type create_options
  keyword blocks,      value(required)
  keyword globals,     value(required)
  keyword modules,    value(required)
  keyword keysize,    value(required)
  keyword history,    value(required)
  keyword version,    value(required)
```

```
define type compress_options
```

```
keyword blocks,           value(required)
keyword globals,          value(required)
keyword modules,          value(required)
keyword keysize,          value(required)
keyword history,          value(required)
keyword version,          value(required)
keyword keep

define type cross_options
  keyword all
  keyword module
  keyword none
  keyword symbol
  keyword value

define type data_options
  keyword reduce
  keyword expand

define verb library
  image librarian
  parameter p1,prompt="Library",value(required,type=$infile)
  parameter p2,prompt="File",value(required,list,impcat,type=$infile)
  qualifier compress,           value(list,type=compress_options),
                               syntax=library_only
  qualifier create,            value(list,type=create_options),
                               syntax=optional_files
  qualifier data,              value(required,type=data_options),
                               syntax=library_only,nonnegatable
  qualifier delete,            value(required,list),
                               syntax=optional_files,nonnegatable
  qualifier extract,           value(required,[list]),
                               syntax=library_only,nonnegatable
  qualifier insert
  qualifier list,              value(type=$outfile),
                               syntax=optional_files
  qualifier remove,            value(required,[list]),
                               syntax=optional_files,nonnegatable
  qualifier replace
  qualifier macro
  qualifier object
  qualifier output,            value(type=$outfile),default
  qualifier names
  qualifier full
  qualifier globals,            default
  qualifier rsx11,              syntax=library_using_lbr
  qualifier selective_search
  qualifier squeeze,            default
  qualifier log
  qualifier width,              value(required),nonnegatable
  qualifier cross_reference,    value(list,type=cross_options),
                               syntax=library_only
  qualifier only,               value(required,list)
  qualifier help
  qualifier text
  qualifier modules,            value(required,list),placement=local
```

qualifier share  
qualifier history  
qualifier before, value(default=today, type=\$datetime)  
qualifier since, value(default=today, type=\$datetime)  
Disallow ( extract and ( compress or create or delete or insert or  
list or remove or replace or names or  
full or globals or selective\_search or  
squeeze or cross\_reference or width ) )  
Disallow ( compress and create )  
Disallow ( cross\_reference and ( list or macro or help or text or  
before or since or history ) )  
Disallow ( any2 ( help , share , text , macro , object ) )  
Disallow ( ( full or names or history or before or since )  
and not list )  
Disallow ( ( remove or names or globals ) and  
( text or help or macro ) )

0046 AH-BT13A-SE  
VAX/VMS V4.0

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CLD	BACKUP CLD	DCLTABLES CLD	DISMOUNT CLD	ENCRYPT CLD	LIBRARIAN CLD	MCRINT CLD	REPLY CLD
DCLTABLES MAP	CREATE CLD	DEF CLD	DMO CLD	EXCHANGE CLD	LIBRARY CLD	MORTABLES CLD	PASCAL CLD
ACC CLD	BAD CLD	DCLINT CLD	DELETE CLD	DUMP CLD	LINK CLD	PATCH CLD	RUN CLD
CHECKSUM CLD	ANALYZE CLD	CLISYM1 CLD	EDIT CLD	FORTRAN CLD	MCRSET CLD	MESSAGE CLD	PHONE CLD
PSECTS R32	CLISYM2 CLD	CONVERT CLD	DIFF CLD	HELP CLD	MACRO CLD	MONITOR CLD	RUNOFF CLD
MORTABLES MAP	COPY CLD	DIRECTORY CLD	EDIT CLD	INIT CLD	MAIL CLD	RECOVER CLD	SQL CLD
JNLUSR MAR	MOVE CLD	MAIL CLD	MAIL CLD	MAIL CLD	MOUNT CLD	RENAME CLD	SEARCH CLD